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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/666,617	09/17/2003	Farshid Farazmandnia	02SKY103P-CON	9671

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EXAMINER

DOAN, PHUOC HUU

ART UNIT PAPER NUMBER

2687

DATE MAILED: 06/30/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

10/666,617

Applicant(s)

FARAZMANDNIA ET AL.

Examiner

PHUOC H DOAN

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 17 September 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 24-36 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 24-35 is/are rejected.
- 7) ☒ Claim(s) 36 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 17 September 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 09/17/03.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

## DETAILED ACTION

### *Claim Rejections - 35 USC § 102*

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims **24-31** are rejected under 35 U.S.C. 102(e) as being anticipated by **Plotnik (US Patent No: 6,873,608)**.

**As to claim 24**, Plotnik discloses a computer software product for use by a computer system to transfer data between said computer system **"Fig. 7, item 214"** and a mobile phone **"Fig. 7, item 210"** for communication with a wireless network (col. 4, lines 5-25), said wireless network using a communication protocol (col. 11 through col. 12, lines 57-16), wherein said computer system has a Universal Serial Bus (USB) controller and said mobile phone is configured to communicate with a USB interface (col. 13 through col. 14, lines 60-13), and wherein said data is transferred between said USB controller **"Fig. 6, item 191"** and said USB interface (col. 14 through col. 15, lines 62-10), said computer software product comprising: code for controlling transfer of said data between said USB controller and said USB interface (col. 14, lines 5-35, and col. 17 through col. 18, lines 63-51); and code for formatting said data in accordance with said communication protocol (col. 12, lines 8-16, and col. 14, lines 13, lines 24-60).

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**As to claim 25**, Plotnik further discloses the computer software product of claim 24, wherein said code for formatting converts said data between a format used by a data terminal emulation program and another format used by said communication protocol (col. 11 through col. 12, lines 18-24).

**As to claim 26**, Plotnik further discloses the computer software product of claim 24 further comprising code for parsing commands, code for controlling a hardware access drive, and code for an external plug-in module (col. 13 through col. 14, lines 60-13).

**As to claim 27**, the claim is specifies the method necessary to perform a computer system steps as specified in **claim 24** and is therefore rejected for the same reasons.

**As to claim 28**, the claim is rejected for the same reason as set forth in claim 25.

**As to claim 29**, the claim is rejected for the same reason as set forth in claim 24.

**As to claim 30**, the claim is rejected for the same reason as set forth in claim 25.

**As to claim 31**, the claim is rejected for the same reason as set forth in claim 26.

### ***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claim **32** is rejected under 35 U.S.C. 103(a) as being unpatentable over Plotnik in view of **Nakatsugawa (US Patent No: 6,167,061)**.

**As to claim 32**, Plotnik discloses a system for connecting a mobile phone to a personal computer (col. 14, lines 1-13), said system comprising: a Universal Serial Bus connector configured to connect to said **personal computer "col. 8, lines 51-58"** (col. 13 through col. 14, lines 60-13); a mobile phone connector configured to connect to said mobile phone (col. 14, lines 1-27); and a mobile phone interface connecting said Universal Serial Bus connector to said mobile phone connector (col. 14, lines 1-5), said mobile phone interface including: an interface engine in communication with said Universal Serial Bus connector (col. 14, lines 10-14); a digital translation block in communication with said interface engine (col. 15, lines 10-67).

However, Plotnik does not specific discloses a mobile phone interface in communication with said mobile phone connector.

Nakatsugawa specific discloses a mobile phone interface in communication with said mobile phone connector (Fig. 1, 2, and 3, col. 23 through col. 24, lines 18-25). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide interface in communication as taught by Nakatsugawa to the system of Plotnik in order to adapt external communication apparatus between devices.

5. Claims **33-35** are rejected under 35 U.S.C. 103(a) as being unpatentable over Plotnik in view of Nakatsugawa as applied to claim 32 above, and **further in view of Colson (US Patent No: 6,574,734)**.

**As to claim 33**, the combination of Plotnik and Nakatsugawa do not disclose the system of claim 32 further comprising: a software program for controlling said mobile phone interface.

However, Colson specific discloses the system of claim 32 further comprising: a software program for controlling said mobile phone “**ECU is a mobile phone, col. 6, lines 24-27**” interface (col. 7 through col. 8, lines 59-40). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide software program to controlling the mobile phone interface as taught by Colson the the system of Plotnik and Nakatsugawa in order to support software driver in term of communication devices.

**As to claim 34**, the combination of Plotnik and Nakatsugawa disclose the system of claim 33, wherein said software program runs on said personal computer (col. 6 through col. 7, lines 55-48, and col. 15, lines 20-31 of Colson).

**As to claim 35**, the combination of Plotnik and Nakatsugawa disclose the system of claim 33, wherein said software program converts data between a format used by said personal computer and another format used by said mobile phone (col. 7 through col. 8, lines 59-52, and col. 9, lines 35-49 of Colson).

***Allowable Subject Matter***

6. Claim **36** is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

**As to claim 36**, the prior art of record do not disclose the system of claim 32, wherein said Universal Serial Bus connector and said mobile phone connector are at two ends of a cable, and wherein said mobile phone interface is molded on said cable between said two ends.

### ***Conclusion***

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Matsuda (US Patent No: 6,211,649) discloses "USB cable and method for charging battery of external apparatus by using USB cable".

Akram (US Pub No: 2004/0063464) discloses "High-speed data and power source interface cable for mobile devices".

Any inquiry concerning this communication or earlier communications from the examiner should be directed to PHUOC H DOAN whose telephone number is 571-272-7920. The examiner can normally be reached on 9:30 AM - 6:30 PM.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, LESTER G KINCAID can be reached on 571-272-7922. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Phuoc Doan  
06/15/05

  
6/27/05  
LESTER G. KINCAID  
PRIMARY EXAMINER